

33. (New) The magnetic field sensor of Claim 14, wherein a single magnetostrictive rod or fiber is surrounded by a piezoelectric matrix material.
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REMARKS

Election of Claims

Responsive to the Restriction Requirement dated September 24, 2001, the claims of Group I (Claims 1-14, 17-19 and 23-27) drawn to a flow meter are elected for prosecution with traverse. Applicants request reconsideration of the Restriction Requirement.

Applicants reserve the right to file a continuing application or take such other appropriate action as deemed necessary to protect the non-elected inventions. Applicants do not hereby abandon or waive any rights in the non-elected inventions.

Preliminary Amendment

Applicants have amended Claims 13 and 14, and have added new claims 30-33, all of which are drawn to a magnetic field sensor having a fiber composite design. Support for these amendments can be found in the Specification, at page 12, line 18, to page 13, line 20, and in Figs. 4a-4d. Claim 1 is cancelled. No new matter has been added.

CONCLUSION

In view of the above amendments and remarks, it is believed that all claims are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned at (978) 341-0036.

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Respectfully submitted,

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MARKED UP VERSION OF AMENDMENTS

13. (Amended) A magnetic field sensor comprising [magnetostrictive material] a matrix of magnetostrictive material that strains under the influence of a magnetic field and imparts stress to at least one [piezoelectric material] rod or fiber of piezoelectric material that is surrounded by the matrix to produce a detectable voltage.
14. (Amended) A magnetic field sensor comprising at least one [magnetostrictive material] rod or fiber of magnetostrictive material that strains under the influence of a magnetic field and imparts stress to [the surrounded] a matrix of piezoelectric material surrounding the at least one rod or fiber [matrix] to produce a detectable voltage.

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